

Environmental Services Division



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managed by Brookhaven Science Associates
for the U.S. Department of Energy

www.bnl.gov

May 10, 2000

Ms. Kathleen Newcomer
Suffolk County Department of Health Services
Drinking Water Supply Section
220 Rabro Drive East
Hauppauge, New York 11788

Dear Ms. Newcomer:

SUBJECT: Monthly Water Treatment Plant Reports

Reference: Suffolk County Minimum Monitoring Requirements for April 2000

In accordance with the requirements of the BNL Potable Water System Sampling Plan and the 2000 SCDHS Minimum Monitoring Requirements for the BNL Potable Water Supply, included please find the following attachments for your records:

- Attachment I: BNL Potable Water Monthly Bacteriological and Operational Reports for April 2000;
- Attachment II: April 2000 Biweekly Water Quality Monitoring Data for BNL Potable Water Wells and Quarterly Water Quality Data for the BNL Distribution System;
- Attachment III: 2000 Second Quarter Principal Organic Compound Analyses for BNL Potable Water Wells.

Zimmerman to Newcomer

-2-

May 10, 2000

All analytical results have been reviewed and have been found to be within New York State Department of Health Drinking Water Standards (NYSDOH DWS). Collection and analysis of these samples are performed in accordance with the guidelines of the BNL Quality Assurance (QA) program, the SCDHS Community Water Supply Monitoring Requirements, and the BNL Potable Water System Sampling Plan. Routine monitoring samples are collected by Plant Engineering Division (PE) personnel using standard operating procedures and analyses are performed by a contractor laboratory using standard methods of analysis. The QA documentation is available from the Environmental Services Division (ESD) and PE Divisions. Based on this information, we believe the values contained in these reports are representative of the BNL potable water system.

Should there be any questions regarding this report or the analytical or operational data contained herein, please call either R. Lee (ESD) at (631) 344-3148, M. Allococo (ESD) at (631) 344-3166, or W. Chaloupka (PE) at (631) 344-7136.

Sincerely,



E. A. Zimmerman, CEP, REM, CEA, CESM
Division Manager

EAZ/MA:rt

Attachments: As noted

cc: K. Brog w/o attachments
 W. Chaloupka w/attachments
 R. Lee w/attachments
 E. Murphy w/attachments
 P. Ponturo, SCDHS, w/o attachments
 L. Ross w/o attachments
 R. Simeone w/attachments



EC4120.00

ATTACHMENT I

**Brookhaven National Laboratory
Potable Water Supply**

**Monthly Bacteriological and Operational
Reports for April 2000**

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD : APRIL 2000

LOCATION: WATER TREATMENT PLANT

Did an emergency occur in any part of the water system? yes no

Source: Ground Water

Does the system have a chlorination waiver? yes no

Day of month	CHLORINATION			pH	Totalizer
	Treated Water	Liquid Sodium Hypochlorite Gallons	Cl2 use per 24hrs	Free Cl2 Residual mg/l	
1	0				
2	0				
3	66	200/110	1	0.8	7.9
4	1,655	200/99	11	0.7	7.9
5	1,663	200/82	17	0.6	7.9
6	1,643	200/63	19	0.6	8
7	1,721	200/50+10	13	0.4	7.8
8	0				
9	0				
10	502	60/185	15	0.3	7.2
11	1,600	60/170	15	0.59	7.2
12	1,588	60/152	18	0.6	7.4
13	1,088	60/142	10	0.74	7.5
14	1,392	60/122	20	0.77	7.5
15	0				
16	0				
17	3,909	60/80	42	0.5	7.3
18	1,586	60/60	20	0.8	7.5
19	1,624	60/45+155	15	0.56	7.5
20	1,593	60/190	10	0.74	7.5
21	1,606	60/175	15	0.82	7.4
22	0				
23	0				
24	4,358	60/135	40	0.5	7.5
25	1,556	60/120	15	0.83	7.6
26	1,549	60/105	15	0.8	7.7
27	1,581	60/95	10	0.8	7.7
28	1,558	60/82	13	1.2	7.8
29	0				
30	0				
31	4,766	60/40	42	0.7	7.4
TOT	38,604		376		
AVG	1286.80		12.53	No. Days:	30

Reported by:

J. A. Rose

Date: *5-8-00*

Title: *WATER SYSTEMS SUPERVISOR*

Cert. #: *05650*

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD : APRIL 2000

LOCATION: WELL NO. 6

Did an emergency occur in any part of the water system? yes no

Source: Ground Water

Does the system have a chlorination waiver? yes no

Day of month	CHLORINATION			pH	Totalizer 8044
	Treated Water	Liquid Sodium Hypochlorite Gallons	Free Cl2 use per 24hrs	Lime Residual mg/l	
				Sodium Hydroxide	
1	0				
2	0				
3	0	125	0	0.2	6.3
4	489	120	5	0.2	6.3
5	694	114	6	0.2	6.2
6	635	110	4	0.2	6.2
7	1,193	94	16	0	6.3
8	0				
9	0				
10	965	82	12	0	6.3
11	919	52	30	0	5.9
12	998	40+80	12	0.07	5.9
13	754	110	10	0.01	5.9
14	541	100+80	10	0.01	5.9
15	0				
16	0				
17	1,730	151	29	0.9	6
18	630	141	10	0.1	6
19	581	131+37	10	0.07	6
20	693	160	8	0.07	6
21	635	143	17	0.06	5.9
22	0				
23	0				
24	870	130	13	0	5.9
25	247	125	5	0.09	5.9
26	286	120	5	0	6.1
27	409	110	10	0	5.9
28	493	100	10	0	5.9
29	0				
30	0				
31	1,570	72	28	0	5.8
TOT	15,332		250		0
AVG	511.07		8.33	No. Days:	30

Reported by:

J. Rose

Title: WATER SYSTEMS SUPERVISION

Date: 5-8-00

Cert #: 05650

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD :	APRIL 2000
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LOCATION: WELL NO. 4

Did an emergency occur in any part of the water system? yes no

Source: Ground Water

Does the system have a chlorination waiver? yes no

Day of month	Treated Water	CHLORINATION			pH	Population Served 3,500
		Liquid Sodium Hypochlorite	Free Cl2	Lime	Totalizer	
		Gallons per 24hrs	Residual mg/l	Sodium Hydroxide	Daily Totalizer	
1	0					
2	0					
3	0	145	0	NR	NR	1324835
4	223	145	0	0	6.3	1325058
5	51	145	0	0	6.3	1325109
6	258	145	0	0	6.3	1325367
7	108	145	0	0	6.3	1325475
8	0					
9	0					
10	126	145	0	0	6.3	1325601
11	293	145	0	0	5.9	1325894
12	258	145	0	0	5.9	1326152
13	468	145	0	0	5.9	1326620
14	177	145	0	0	5.9	1326797
15	0					
16	0					
17	1,428	60	0	0.9	6	1328225
18	454	60	0	0.1	6	1328679
19	491	60	0	0.07	6	1329170
20	604	60	0	0.07	5.9	1329774
21	482	60	0	0.06	5.9	1330256
22	0					
23	0					
24	1,891	60	0	0	5.9	1332147
25	477	60	0	0	5.9	1332624
26	780	60	0	0	6.1	1333404
27	692	60	0	0	5.9	1334096
28	746	60	0	0	5.9	1334842
29	0					
30	0					
31	1,980	60	0	0	5.8	1336822
TOT	11,987		0.00	No. Days:	30	
AVG.	399.57					

Reported by: HC/JS

Date: 5-8-00

Title: WATER SYSTEMS SUPERVISOR

Cert. #: 05650

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD :	APRIL 2000
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LOCATION: WELL NO. 7

Did an emergency occur in any part of the water system? yes no

Source: Ground Water

Does the system have a chlorination waiver? yes no

Day of month	CHLORINATION			pH	Totalizer
	Treated Water	Liquid Sodium Hypochlorite	Free Cl2	Lime	
	Gallons	Cl2 use per 24hrs	Residual mg/l	Sodium Hydroxide	
1	0				14670
2	0				
3	70	170	0	6.3	14740
4	1,272	155	15	6.3	16012
5	1,429	140	15	6.1	17441
6	993	121	19	6.1	18434
7	476	120	1	6.3	18910
8	0		—		
9	0				
10	135	102	18	6.3	19045
11	34	83	19	5.9	19079
12	630	48+60	35	5.9	19709
13	1,043	88	20	5.9	20752
14	824	60+125	28	5.9	21576
15	0				
16	0				
17	3,660	120	65	6	25236
18	1,100	90	30	6	26336
19	1,061	139+61	29	0.07	27397
20	1,108	179	29	0.07	28505
21	863	150	29	5.9	29368
22	0				
23	0				
24	3,382	60+125	90	5.9	32750
25	1,028	160	25	5.9	33778
26	1,426	125	35	6.1	35204
27	1,102	95	35	5.9	36306
28	1,088	65+75	30	5.9	37394
29	0				
30	0				
31	2,032	60	80	5.8	39426
TOT	24,756		647		0
AVG.	825.20		21.57	No. Days:	30

Reported by: JL Date: 5-8-00Title: WATER SYSTEMS SUPERVISOR Cert. #: 05658

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD : APRIL 2000

LOCATION: WELL NO. 10

Did an emergency occur in any part of the water system? yes no

Source: Ground Water

Does the system have a chlorination waiver? yes no

Day of month	CHLORINATION			pH	
	Treated Water	Liquid Sodium Hypochlorite Gallons	Free Cl2 use per 24hrs		
	Residual mg/l	Hydroxide	Daily Totalizer		
1	0				
2	0				
3	0	185	0	NR	763512
4	0	185	0	NR	763512
5	0	185	0	NR	763512
6	0	185	0	NR	763512
7	0	185	0	NR	763512
8	0				
9	0				
10	0	185	0	NR	763512
11	0	185	0	NR	763512
12	0	185	0	NR	763512
13	0	185	0	NR	763512
14	0	185-125	0	NR	763512
15	0				
16	0				
17	0	60	0	NR	763512
18	0	60	0	NT	763512
19	0	60	0	NR	763512
20	0	60	0	NR	763512
21	0	60	0	NR	763512
22	0				
23	0				
24	0	60	0	NR	763512
25	0	60	0	NR	763512
26	0	60	0	NR	763512
27	0	60	0	NR	763512
28	0	60	0	NR	763512
29	0				
30	0				
31	0	60	0	NR	763512
TOT	0		0		0
AVG.	0.00	0.00	No Days:	30	

Reported by: J. Glass

Date: 5-5-00

Title: WATER SYSTEMS SUPERVISOR

Cert. #: 05650

Population Served 3,500

Number of routine samples 4

(Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 7

Does a M&AR violation exist? yes No

If yes, check reason's below.

Actual number of samples fewer than required.

Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat or high turbidity sample.

Failure to analyze repeat samples.

Does an MCL violation exist? No

If yes, check reason(s) below.

Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hiturb) per month.

Positive E. Coli result followed by a positive total coliform repeat sample.

Positive total coliform result followed by a positive E. Coli repeat sample.

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD :	APRIL 2000
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LOCATION: WELL NO. 11

Did an emergency occur in any part of the water system? yes no

Source: Ground Water

Does the system have a chlorination waiver? yes no

Day of month	CHLORINATION			pH	
	Treated Water	Liquid Sodium Hypochlorite	Free Cl2	Lime	Totalizer
	Gallons	Cl2 use per 24hrs	Residual mg/l	Sodium Hydroxide	Daily Totalizer
1	0				
2	0				
3	1,701	198	0	NR	303301
4	25	197	1	NR	303326
5	47	197	0	NR	7.3
6	234	190	7	0.7	303607
7	419	190	0	0.5	7.2
8	0				
9	0				
10	4,660	170	20	0.5	7.8
11	165	170	0	0.5	308851
12	401	169	1	0.5	8
13	178	169	0	0.5	309430
14	157	169	0	0.6	309587
15	0				
16	0				
17	514	169	0	0.69	7.7
18	6	169	0	0.77	7.1
19	4	169	0	0.69	7.6
20	0	168	1	1.1	7
21	3	168	0	0.71	7.6
22	0				
23	0				
24	2	168	0	0.76	7.5
25	2	168	0	0.9	7.5
26	4	168	0	1	7.5
27	2	168	0	0.6	7.4
28	7	168	0	0.6	7.4
29	0				
30	0				
31	2	168	0	0.9	7.9
TOT	8,533		30		310133
AVG.	284.43		1.00	No. Days:	30

Reported by:

St. Peter

Date:

5-8-00

Title: *WATER SYSTEMS SURVEYOR*

Cert. #:

05650

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD : APRIL 2000

LOCATION: WELL NO. 12

Did an emergency occur in any part of the water system? yes no

Source: Ground Water

Does the system have a chlorination waiver? yes no

Day of month	CHLORINATION			pH	Population Served 3,500	
	Treated Water	Liquid Sodium Hypochlorite	Free Cl2	Lime		
		Gallons	Cl2 use per 24hrs	Residual		
1	0					
2	0					
3	4,381	165	25	1	8	216965
4	3	165	0	0.8	8.1	216968
5	449	161	4	0.8	8	217417
6	282	160	1	0.5	8	217699
7	323	158	2	0.7	8.1	218022
8	0					
9	0					
10	1,401	148	10	0.5	7.9	219423
11	339	145	3	0	8	219762
12	308	142	3	0.6	8	220070
13	1,166	138	4	0.6	8	221236
14	476	133	5	0.5	8	221712
15	0					
16	0					
17	0	133	0	0.67	8	221712
18	200	132	1	0.61	7.6	221912
19	610	130	2	0.65	7.9	222522
20	291	125	5	0.67	7.8	222813
21	236	125	0	0.6	7.8	223049
22	0					
23	0					
24	421	121	4	0.7	7.7	223470
25	4	120	1	0.73	7.9	223474
26	4	120	0	0.9	7.9	223478
27	449	119	1	0.7	7.8	223927
28	245	115	4	0.5	7.8	224172
29	0					
30	0					
31	425	110	5	0.7	7.9	224597
TOT	12,013		80			
AVG	400.43		2.67	No. Days:	30	

Reported by John Ross

Date: 5-8-00

Title: WATER SYSTEMS SUPERVISOR

Cert. #: 05650



15 Broad Hollow Road, Melville, NY 11747-5076
631)694-3040 FAX:(631)20-8436 NYSDOH ID# 10477

LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB-BNL
70 BELL AVE.
UPPTON, NY 11973
Federal ID : 6111891

Received : 06-APR-2000 14:50
Collected By : TB99
Sample Type : Portable Water

Copies To : SCHD

Lab Number	Collected	Location	Units	T.COLL. BACT.	E.COLI	CHLORINE RESIDUAL
20000406-158	06-APR-2000 10:30	B-49 WATER TOWER	Method Limits	NONE SM#9223 NEGATIVE	NONE SM#9223 ABSENT	mg/l SM#450-CIG N/A
	DISTRIBUTION			06-APR-2000 17:15	ABSENT	0.5 06-APR-2000
20000406-159	06-APR-2000 10:15	B-640 WATER TOWER		NEGATIVE	ABSENT	0.6 06-APR-2000
	DISTRIBUTION			06-APR-2000 17:15		
20000406-160	06-APR-2000 07:50	B-1005-RHIC		NEGATIVE	ABSENT	0.5 06-APR-2000
	DISTRIBUTION			06-APR-2000 17:15		
20000406-161	06-APR-2000 08:10	B-363 APARTMENT LAUNDRY		NEGATIVE	ABSENT	0.4 06-APR-2000
	DISTRIBUTION			06-APR-2000 17:15		
20000406-162	06-APR-2000 09:15	B-725 NSLS		NEGATIVE	ABSENT	0.6 06-APR-2000
	DISTRIBUTION			06-APR-2000 17:15		
20000406-163	06-APR-2000 08:42	B-490 BLOCK-1 ACF		NEGATIVE	ABSENT	0.5 06-APR-2000
	DISTRIBUTION			06-APR-2000 17:15		
20000406-164	06-APR-2000 08:55	B-490 BLOCK-4 MRC		NEGATIVE	ABSENT	0.5 06-APR-2000
	DISTRIBUTION			06-APR-2000 17:15		

Date Issued : 04/11/2000

ORIGINAL
Report for client information only

Jean M. Slavin
Laboratory Director

H2M LABS, INC.75 Broad Hollow Road, Melville, NY 11747-5076
631/694-3040, FAX: (631) 920-8436 NYSDOH ID# 10478**BROOKHAVEN NATIONAL LAB.-BNLM**
70 BELL AVE.
UPTON, NY 11973
Federal ID : 5111891Received : 06-APR-2000 14:50
Collected By : TB99
Sample Type : Potable Water

Copies To : SCHD

LABORATORY RESULTS

Lab Number	Collected	Location	Units	T.COLL. BACT.	E.COLI.	CHLORINE RESIDUAL
			Method Limits			mg/L
20000406-165	06-APR-2000	DUPLICATE ROUTINE DISTRIBUTION		NONE SM#9223 NEGATIVE 06-APR-2000 17:15	NONE SM#9223 ABSENT 06-APR-2000 17:15	SM#4500-CIG N/A 0.6 06-APR-2000

Result(s) reported meet(s) NEW YORK STATE/USEPA limits for Potable Water.

Date Issued : 04/11/2000

ORIGINAL
Report for client information only*Jean M. Dein*
Laboratory Director

ATTACHMENT II

**Brookhaven National Laboratory
Potable Water Supply**

**April 2000 Biweekly Water Quality Monitoring Data for
the BNL Potable Water Wells**

and Quarterly Water Quality Data for the BNL Distribution System

Attachment II
Table 1
Summary of Water Quality Analyses
for the BNL Potable Water System
April 2000

Sample Location	Sample Date	pH	Temp. Degree F	Conductivity	Alkalinity	Calcium
Well 11	4/4/00	7.3	54	218 μmhos	NR	NR
Well 11	4/6/00	7.3	56	163 μmhos	NR	NR
Well 11	4/11/00	7.8	54	137 μmhos	NR	NR
Well 11	4/13/00	8.0	54	163 μmhos	NR	NR
Well 11	4/18/00	7.1	55	291 μmhos	NR	NR
Well 11	4/20/00	7.0	55	226 μmhos	NR	NR
Well 11	4/25/00	7.5	54	130 μmhos	NR	NR
Well 11	4/27/00	7.4	56	178 μmhos	NR	NR
Well 12	4/4/00	8.1	56	159 μmhos	NR	NR
Well 12	4/6/00	8.0	56	159 μmhos	NR	NR
Well 12	4/11/00	8.0	56	115 μmhos	NR	NR
Well 12	4/13/00	8.0	56	160 μmhos	NR	NR
Well 12	4/18/00	7.6	56	158 μmhos	NR	NR
Well 12	4/20/00	7.8	56	149 μmhos	NR	NR
Well 12	4/25/00	7.9	56	129 μmhos	NR	NR
Well 12	4/27/00	7.8	56	138 μmhos	NR	NR
Bldg. 363	4/6/00	8.2	52	149 μmhos	30.3 mg/L	7.7 mg/L
Bldg. 49	4/6/00	7.7	53	143 μmhos	28.7 mg/L	6.1 mg/L
Bldg. 640	4/6/00	7.6	58	156 μmhos	38.4 mg/L	5.7 mg/L

NR - Analysis Not Required or Not Reported

WTP: Water Treatment Plant

Note: 1. Field parameters are only conducted for facilities that are in operation on the day of measurement

H2M LABS, INC.

LABORATORY RESULTS

1 of 1

575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : S. SCARPITTA/TONY ROSS

Federal ID : 5111891

Collected : 06-APR-2000 08:10

Received : 06-APR-2000 14:50

Collected By : TB99

Lab No. : 20000406-185

Sample Information...

Type : Potable Water

ROUTINE

Origin: DISTRIBUTION

Location: B-363 APARTMENT LAUNDRY

Copies To : SCHD

Parameter(s)	Results	Units	Method Number	Analyzed
CONDUCTIVITY	149	umhos/cm	EPA#120.1	06-APR-2000
FIELD TEMPERATURE	52	OF	EPA#170.1	06-APR-2000
PH	8.2	units	EPA#150.1	07-APR-2000
TOTAL ALKALINITY	30.3	mg/L	SM#2320B	10-APR-2000
CALCIUM	7.7	mg/L	EPA#200.7	25-APR-2000

H2M LABS, INC.

1 of 1

LABORATORY RESULTS

575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.

UPTON, NY 11973

Attn To : S. SCARPITTA/TONY ROSS

Federal ID : 5111891

Collected : 06-APR-2000 10:30

Received : 06-APR-2000 14:50

Collected By : TB99

Lab No. : 20000406-183

Sample Information...

Type : Potable Water

ROUTINE

Origin: DISTRIBUTION

Location: B-49 WATER TOWER

Copies To : SCHD

Parameter(s)	Results	Units	Method Number	Analyzed
CONDUCTIVITY	143	umhos/cm	EPA#120.1	06-APR-2000
FIELD TEMPERATURE	53	OF	EPA#170.1	06-APR-2000
PH	7.7	units	EPA#150.1	07-APR-2000
TOTAL ALKALINITY	28.7	mg/L	SM#2320B	10-APR-2000
CALCIUM	6.1	mg/L	EPA#200.7	25-APR-2000

S 0031

Jean M. Alvarin
Laboratory Director

H2M LABS, INC.

375 Broad Hollow Road, Melville, NY 11747-5076
(516)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

1 of 1

BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.

UPTON, NY 11973

Attn To : S. SCARPITTA/TONY ROSS

Federal ID : 5111891

Collected : 06-APR-2000 10:15

Received : 06-APR-2000 14:50

Collected By : TB99 Location: B-640 WATER TOWER

Lab No. : 20000406-184

Sample Information...

Type : Potable Water

ROUTINE

Origin: DISTRIBUTION

Copies To : SCHD

Parameter(s)	Results	Units	Method Number	Analyzed
CONDUCTIVITY	156	umhos/cm	EPA#120.1	06-APR-2000
FIELD TEMPERATURE	58	OF	EPA#170.1	06-APR-2000
PH	7.6	units	EPA#150.1	07-APR-2000
TOTAL ALKALINITY	38.4	mg/L	SM#2320B	10-APR-2000
CALCIUM	5.7	mg/L	EPA#200.7	25-APR-2000

S 0033

Date Issued : 05/03/2000

ORIGINAL

Report for client information only

Joann M. Slavin
Laboratory Director

HLM LABS, INC.

LABORATORY RESULTS



575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB-BNLM**70 BELL AVE.****UPTON, NY 11973****Attn To : S. SCARPITTA/TONY ROSS**

Federal ID : 5111891

Collected : 06-APR-2000 07:00

Received : 06-APR-2000 14:50

Collected By : TB99

Lab No. : 20000406-172

Sample Information...

Type : Potable Water

ROUTINE

Origin: RAW WELL

Location: WELL #4

Copies To : SCHD

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
TOTAL COLIFORM BACTERIA	NEGATIVE	NONE	NEGATIVE	SM#9223	06-APR-2000 17:15
E.COLI BACTERIA	ABSENT	NONE	ABSENT	SM#9223	06-APR-2000 17:15

Result(s) reported meet(s) NEW YORK STATE/USEPA limits for Potable Water

LABORATORY RESULTS

Broad Hollow Road, Melville, NY 11747-5076
 1)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM
 70 BELL AVE.

Lab No. : 20000406-173

Sample Information...

Type : Potable Water
 ROUTINE
 Origin: RAW WELL

UPTON, NY 11973

Attn To : S. SCARPITA/TONY ROSS

Federal ID : 5111891

Collected : 06-APR-2000 06:45

Received : 06-APR-2000 14:50

Collected By : TB99 Location: WELL #6

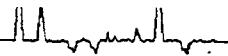
Copies To : SCHD

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
TOTAL COLIFORM BACTERIA	NEGATIVE	NONE	NEGATIVE	SM#9223	06-APR-2000 17:15
E.COLI BACTERIA	ABSENT	NONE	ABSENT	SM#9223	06-APR-2000 17:15

Result(s) reported meet(s) NEW YORK STATE/USEPA limits for Potable Water

ILM LABS, INC.

LABORATORY RESULTS



5 Broad Hollow Road, Melville, NY 11747-5076
31)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB-BNLM**70 BELL AVE.****UPTON, NY 11973****Attn To : S. SCARPITTA/TONY ROSS**

Federal ID : 5111891

Collected : 06-APR-2000 06:30

Received : 06-APR-2000 14:50

Collected By : TB99

Lab No. : 20000406-174**Sample Information...**

Type : Potable Water

ROUTINE

Origin: RAW WELL

Location: WELL #7

Copies To : SCHD

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
TOTAL COLIFORM BACTERIA	NEGATIVE	NONE	NEGATIVE	SM#9223	06-APR-2000 17:15
E.COLI BACTERIA	ABSENT	NONE	ABSENT	SM#9223	06-APR-2000 17:15

Result(s) reported meet(s) NEW YORK STATE/USEPA limits for Potable Water

H2M LABS, INC.

LABORATORY RESULTS

575 Broad Hollow Road, Melville, NY 11747-5076
(631)894-3040 FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.

UPTON, NY 11973

Attn To : S. SCARPITTA/TONY ROSS

Federal ID : 5111891

Collected : 06-APR-2000 07:25

Received : 06-APR-2000 14:50 Location: WELL #11

Collected By : TB99

Copies To : SCHD

Report Issued : 03-MAY-2000

Lab No. : 20000406-175

Sample Information...

Type : Potable Water

ROUTINE

Origin: RAW WELL

Parameter(s)

Results

TOTAL COLIFORM BACTERIA

NEGATIVE

Units

NONE

Limit

NEGATIVE

Method Number

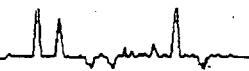
SM#9223

Analyzed

08-APR-2000 17:15

Result(s) reported meet(s) NEW YORK STATE/USEPA limits for Potable Water

75 Broad Hollow Road, Melville, NY 11747-5076
631)694-3040 FAX:(631)420-8436 NYSDOH ID# 10478

**BROOKHAVEN NATIONAL LAB.-BNLM****70 BELL AVE.
UPTON, NY 11973**

Attn To : S. SCARPITTA/TONY ROSS

Federal ID : 5111891

Collected : 06-APR-2000 07:30

Received : 06-APR-2000 14:50

Collected By : TB99

Lab No. : 20000406-177

Sample Information...

Type : Potable Water

ROUTINE

Origin: RAW WELL

Location: WELL #12

Copies To : SCHD

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
TOTAL COLIFORM BACTERIA	NEGATIVE	NONE	NEGATIVE	SM#9223	06-APR-2000 17:15
E.COLI BACTERIA	ABSENT	NONE	ABSENT	SM#9223	06-APR-2000 17:15

Result(s) reported meet(s) NEW YORK STATE/USEPA limits for Potable Water

ATTACHMENT III

**Brookhaven National Laboratory
Potable Water Supply**

**2000 Second quarter Principal Organic Compound Analyses
for the BNL Potable Water Wells**

LABORATORY RESULTS**BROOKHAVEN NATIONAL LAB-BNLM****70 BELL AVE.
UPTON, NY 11973****Attn To : S. SCARPITTA/TONY ROSS****Federal ID : 5111891****Collected : 06-APR-2000 06:25****Received : 06-APR-2000 14:50****Collected By : TB99****Lab No. : 20000406-171****Sample Information...****Type : Potable Water****ROUTINE****Origin: TREATED WELL****Location: BUILDING 624-WTP****Copies To : SCHD****VOLATILE ORGANICS (METHOD 502.2) - ug/L****Run Number : 1183****Date Analyzed : 12-APR-2000**

<u>Parameter(s)</u>	<u>Results</u>	<u>Limit</u>	<u>Parameter(s)</u>	<u>Results</u>	<u>Limit</u>
DICHLORODIFLUOROMETHANE	<0.5	5.0	1,2,3-TRICHLOROPROPANE	<0.5	5.0
CHLOROMETHANE	<0.5	5.0	2-CHLOROTOLUENE	<0.5	5.0
VINYL CHLORIDE	<0.5	2.0	4-CHLOROTOLUENE	<0.5	5.0
BROMOMETHANE	<0.5	5.0	M-DICHLOROBENZENE	<0.5	5.0
CHLOROETHANE	<0.5	5.0	P-DICHLOROBENZENE	<0.5	5.0
FLUOROTRICHLOROMETHANE	<0.5	5.0	O-DICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHENE	<0.5	5.0	1,2,4-TRICHLOROBENZENE	<0.5	5.0
METHYLENE CHLORIDE	<0.5	5.0	HEXACHLOROBUTADIENE	<0.5	5.0
TRANS-1,2-DICHLOROETHENE	<0.5	5.0	1,2,3-TRICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHANE	<0.5	5.0	BENZENE	<0.5	5.0
CIS-1,2-DICHLOROETHENE	<0.5	5.0	TOLUENE	<0.5	5.0
2,2-DICHLOROPROPANE	<0.5	5.0	ETHYLBENZENE	<0.5	5.0
BROMOCHLOROMETHANE	<0.5	5.0	1,3-XYLENE	<0.5	5.0
CHLOROFORM	<0.5	50	1,4-XYLENE	<0.5	5.0
1,1,1-TRICHLOROETHANE	<0.5	5.0	1,2-XYLENE	<0.5	5.0
CARBON TETRACHLORIDE	<0.5	5.0	STYRENE	<0.5	5.0
1,1-DICHLOROPROPENE	<0.5	5.0	ISOPROPYLBENZENE(CUMENE)	<0.5	5.0
1,2-DICHLOROETHANE	<0.5	5.0	N-PROPYLBENZENE	<0.5	5.0
TRICHLOROETHENE	<0.5	5.0	1,3,5-TRIMETHYLBENZENE	<0.5	5.0
1,2-DICHLOROPROPANE	<0.5	5.0	TERT-BUTYLBENZENE	<0.5	5.0
DIBROMOMETHANE	<0.5	5.0	1,2,4-TRIMETHYLBENZENE	<0.5	5.0
BROMODICHLOROMETHANE	<0.5	50	SEC-BUTYLBENZENE	<0.5	5.0
TRANS-1,3-DICHLOROPROPENE	<0.5	5.0	P-ISOPROPYL TOLUENE	<0.5	5.0
CIS-1,3-DICHLOROPROPENE	<0.5	5.0	N-BUTYLBENZENE	<0.5	5.0
1,1,2-TRICHLOROETHANE	<0.5	5.0	METHYL TERT. BUTYL ETHER	<0.5	50
TETRACHLOROETHENE	<0.5	5.0			
1,3-DICHLOROPROPANE	<0.5	5.0			
CHLORODIBROMOMETHANE	<0.5	50			
CHLOROBENZENE	<0.5	5.0			
1,1,1,2-TETRACHLOROETHANE	<0.5	5.0			
BROMOFORM	<0.5	50			
BROMOBENZENE	<0.5	5.0			
1,1,2,2-TETRACHLOROETHANE	<0.5	5.0			

Result(s) reported meet(s) NEW YORK STATE/USEPA limits for Potable Water

V 0009

LABORATORY RESULTS

Broad Hollow Road, Melville, NY 11747-5076
 1)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM
 70 BELL AVE.

UPTON, NY 11973
 Attn To : S. SCARPITTA/TONY ROSS

Federal ID : 5111891

Collected : 06-APR-2000 07:00

Received : 06-APR-2000 14:50

Collected By : TB99

Lab No. : 20000406-172

Sample Information...

Type : Potable Water

ROUTINE

Origin: RAW WELL

Location: WELL #4

Copies To : SCHD

VOLATILE ORGANICS (METHOD 502.2) - ug/L

Run Number : 1184

Date Analyzed : 12-APR-2000

Parameter(s)	Results	Limit	Parameter(s)	Results	Limit
DICHLORODIFLUOROMETHANE	<0.5	5.0	1,2,3-TRICHLOROPROPANE	<0.5	5.0
CHLOROMETHANE	<0.5	5.0	2-CHLOROTOLUENE	<0.5	5.0
VINYL CHLORIDE	<0.5	2.0	4-CHLOROTOLUENE	<0.5	5.0
BROMOMETHANE	<0.5	5.0	M-DICHLOROBENZENE	<0.5	5.0
CHLOROETHANE	<0.5	5.0	P-DICHLOROBENZENE	<0.5	5.0
FLUOROTRICHLOROMETHANE	<0.5	5.0	O-DICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHENE	<0.5	5.0	1,2,4-TRICHLOROBENZENE	<0.5	5.0
METHYLENE CHLORIDE	<0.5	5.0	HEXACHLOROBUTADIENE	<0.5	5.0
TRANS-1,2-DICHLOROETHENE	<0.5	5.0	1,2,3-TRICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHANE	<0.5	5.0	BENZENE	<0.5	5.0
CIS-1,2-DICHLOROETHENE	<0.5	5.0	TOLUENE	<0.5	5.0
2,2-DICHLOROPROPANE	<0.5	5.0	ETHYLBENZENE	<0.5	5.0
BROMOCHLOROMETHANE	<0.5	5.0	1,3-XYLENE	<0.5	5.0
CHLOROFORM	<0.5	50	1,4-XYLENE	<0.5	5.0
1,1,1-TRICHLOROETHANE	<0.5	5.0	1,2-XYLENE	<0.5	5.0
CARBON TETRACHLORIDE	<0.5	5.0	STYRENE	<0.5	5.0
1,1-DICHLOROPROPENE	<0.5	5.0	ISOPROPYLBENZENE(CUMENE)	<0.5	5.0
1,2-DICHLOROETHANE	<0.5	5.0	N-PROPYLBENZENE	<0.5	5.0
TRICHLOROETHENE	<0.5	5.0	1,3,5-TRIMETHYLBENZENE	<0.5	5.0
1,2-DICHLOROPROPANE	<0.5	5.0	TERT-BUTYLBENZENE	<0.5	5.0
DIBROMOMETHANE	<0.5	5.0	1,2,4-TRIMETHYLBENZENE	<0.5	5.0
BROMODICHLOROMETHANE	<0.5	50	SEC-BUTYLBENZENE	<0.5	5.0
TRANS-1,3-DICHLOROPROPENE	<0.5	5.0	P-ISOPROPYL TOLUENE	<0.5	5.0
CIS-1,3-DICHLOROPROPENE	<0.5	5.0	N-BUTYLBENZENE	<0.5	5.0
1,1,2-TRICHLOROETHANE	<0.5	5.0	METHYL TERT. BUTYL ETHER	<0.5	50
TETRACHLOROETHENE	<0.5	5.0			
1,3-DICHLOROPROPANE	<0.5	5.0			
CHLORODIBROMOMETHANE	<0.5	50			
CHLOROBENZENE	<0.5	5.0			
1,1,1,2-TETRACHLOROETHANE	<0.5	5.0			
BROMOFORM	<0.5	50			
BROMOBENZENE	<0.5	5.0			
1,1,2,2-TETRACHLOROETHANE	<0.5	5.0			

Result(s) reported meet(s) NEW YORK STATE/USEPA limits for Potable Water

S 0023

Re-Print Date : 03-MAY-2000

ORIGINAL

Report for client information only

Joann M. Alavin
 Laboratory Director

75 Broad Hollow Road, Melville, NY 11747-5076
 (631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478



BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : S. SCARPITTA/TONY ROSS

Federal ID : 5111891

Collected : 06-APR-2000 06:45

Received : 06-APR-2000 14:50

Collected By : TB99

Lab No. : 20000406-173

Sample Information...

Type : Potable Water

ROUTINE

Origin: RAW WELL

Location: WELL #6

Copies To : SCHD

VOLATILE ORGANICS (METHOD 502.2) - ug/L

Run Number :1185

Date Analyzed :13-APR-2000

Parameter(s)	Results	Limit	Parameter(s)	Results	Limit
DICHLORODIFLUOROMETHANE	<0.5	5.0	1,2,3-TRICHLOROPROPANE	<0.5	5.0
CHLOROMETHANE	<0.5	5.0	2-CHLOROTOLUENE	<0.5	5.0
VINYL CHLORIDE	<0.5	2.0	4-CHLOROTOLUENE	<0.5	5.0
BROMOMETHANE	<0.5	5.0	M-DICHLOROBENZENE	<0.5	5.0
CHLOROETHANE	<0.5	5.0	P-DICHLOROBENZENE	<0.5	5.0
FLUOROTRICHLOROMETHANE	<0.5	5.0	O-DICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHENE	<0.5	5.0	1,2,4-TRICHLOROBENZENE	<0.5	5.0
METHYLENE CHLORIDE	<0.5	5.0	HEXACHLOROBUTADIENE	<0.5	5.0
TRANS-1,2-DICHLOROETHENE	<0.5	5.0	1,2,3-TRICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHANE	<0.5	5.0	BENZENE	<0.5	5.0
CIS-1,2-DICHLOROETHENE	<0.5	5.0	TOLUENE	<0.5	5.0
2,2-DICHLOROPROPANE	<0.5	5.0	ETHYL BENZENE	<0.5	5.0
BROMOCHLOROMETHANE	<0.5	5.0	1,3-XYLENE	<0.5	5.0
CHLOROFORM	<0.5	50	1,4-XYLENE	<0.5	5.0
1,1,1-TRICHLOROETHANE	0.5	5.0	1,2-XYLENE	<0.5	5.0
CARBON TETRACHLORIDE	<0.5	5.0	STYRENE	<0.5	5.0
1,1-DICHLOROPROPENE	<0.5	5.0	ISOPROPYL BENZENE(CUMENE)	<0.5	5.0
1,2-DICHLOROETHANE	<0.5	5.0	N-PROPYLBENZENE	<0.5	5.0
TRICHLOROETHENE	<0.5	5.0	1,3,5-TRIMETHYLBENZENE	<0.5	5.0
1,2-DICHLOROPROPANE	<0.5	5.0	TERT-BUTYL BENZENE	<0.5	5.0
DIBROMOMETHANE	<0.5	5.0	1,2,4-TRIMETHYLBENZENE	<0.5	5.0
BROMODICHLOROMETHANE	<0.5	50	SEC-BUTYL BENZENE	<0.5	5.0
TRANS-1,3-DICHLOROPROPENE	<0.5	5.0	P-ISOPROPYL TOLUENE	<0.5	5.0
CIS-1,3-DICHLOROPROPENE	<0.5	5.0	N-BUTYL BENZENE	<0.5	5.0
1,1,2-TRICHLOROETHANE	<0.5	5.0	METHYL TERT. BUTYL ETHER	<0.5	50
TETRACHLOROETHENE	<0.5	5.0			
1,3-DICHLOROPROPANE	<0.5	5.0			
CHLORODIBROMOMETHANE	<0.5	50			
CHLOROBENZENE	<0.5	5.0			
1,1,1,2-TETRACHLOROETHANE	<0.5	5.0			
BROMOFORM	<0.5	50			
BROMOBENZENE	<0.5	5.0			
1,1,2,2-TETRACHLOROETHANE	<0.5	5.0			

Result(s) reported meet(s) NEW YORK STATE/USEPA limits for Potable Water

V 0019

ORIGINAL

Report for client information only

 Joann M. Slavin
 Laboratory Director

LABORATORY RESULTS

5 Broad Hollow Road, Melville, NY 11747-5076
 (631)694-3040, FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : S. SCARPITTA/TONY ROSS

Federal ID : 5111891

Collected : 06-APR-2000 06:30

Received : 06-APR-2000 14:50

Collected By : TB99

Lab No. : 20000406-174

Sample Information...

Type : Potable Water

ROUTINE

Origin: RAW WELL

Location: WELL #7

Copies To : SCHD

VOLATILE ORGANICS (METHOD 502.2) - ug/L

Run Number : 1186

Date Analyzed : 13-APR-2000

Parameter(s)	Results	Limit	Parameter(s)	Results	Limit
DICHLORODIFLUOROMETHANE	<0.5	5.0	1,2,3-TRICHLOROPROPANE	<0.5	5.0
CHLOROMETHANE	<0.5	5.0	2-CHLOROTOLUENE	<0.5	5.0
VINYL CHLORIDE	<0.5	2.0	4-CHLOROTOLUENE	<0.5	5.0
BROMOMETHANE	<0.5	5.0	M-DICHLOROBENZENE	<0.5	5.0
CHLOROETHANE	<0.5	5.0	P-DICHLOROBENZENE	<0.5	5.0
FLUOROTRICHLOROMETHANE	<0.5	5.0	O-DICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHENE	<0.5	5.0	1,2,4-TRICHLOROBENZENE	<0.5	5.0
METHYLENE CHLORIDE	<0.5	5.0	HEXACHLOROBUTADIENE	<0.5	5.0
TRANS-1,2-DICHLOROETHENE	<0.5	5.0	1,2,3-TRICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHANE	<0.5	5.0	BENZENE	<0.5	5.0
CIS-1,2-DICHLOROETHENE	<0.5	5.0	TOLUENE	<0.5	5.0
2,2-DICHLOROPROPANE	<0.5	5.0	ETHYLBENZENE	<0.5	5.0
BROMOCHLOROMETHANE	<0.5	5.0	1,3-XYLENE	<0.5	5.0
CHLOROFORM	0.8	50	1,4-XYLENE	<0.5	5.0
1,1,1-TRICHLOROETHANE	<0.5	5.0	1,2-XYLENE	<0.5	5.0
CARBON TETRACHLORIDE	<0.5	5.0	STYRENE	<0.5	5.0
1,1-DICHLOROPROPENE	<0.5	5.0	ISOPROPYLBENZENE(CUMENE)	<0.5	5.0
1,2-DICHLOROETHANE	<0.5	5.0	N-PROPYLBENZENE	<0.5	5.0
TRICHLOROETHENE	<0.5	5.0	1,3,5-TRIMETHYLBENZENE	<0.5	5.0
1,2-DICHLOROPROPANE	<0.5	5.0	TERT-BUTYLBENZENE	<0.5	5.0
DIBROMOMETHANE	<0.5	5.0	1,2,4-TRIMETHYLBENZENE	<0.5	5.0
BROMODICHLOROMETHANE	<0.5	50	SEC-BUTYLBENZENE	<0.5	5.0
TRANS-1,3-DICHLOROPROPENE	<0.5	5.0	P-ISOPROPYLtolUENE	<0.5	5.0
CIS-1,3-DICHLOROPROPENE	<0.5	5.0	N-BUTYLBENZENE	<0.5	5.0
1,1,2-TRICHLOROETHANE	<0.5	5.0	METHYL TERT. BUTYL ETHER	<0.5	50
TETRACHLOROETHENE	<0.5	5.0			
1,3-DICHLOROPROPANE	<0.5	5.0			
CHLORODIBROMOMETHANE	<0.5	50			
CHLOROBENZENE	<0.5	5.0			
1,1,1,2-TETRACHLOROETHANE	<0.5	5.0			
BROMOFORM	<0.5	50			
BROMOBENZENE	<0.5	5.0			
1,1,2,2-TETRACHLOROETHANE	<0.5	5.0			

Result(s) reported meet(s) NEW YORK STATE/USEPA limits for Potable Water

V 0024

5 Broad Hollow Road, Melville, NY 11747-5076
 (631)694-3040 FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM
 70 BELL AVE.

UPTON, NY 11973

Attn To : S. SCARPITTA/TONY ROSS

Federal ID : 5111891

Collected : 06-APR-2000 07:25

Received : 06-APR-2000 14:50

Collected By : TB99

Lab No. : 20000406-175

Sample Information...

Type : Potable Water

ROUTINE

Origin: RAW WELL

Location: WELL #11

Copies To : SCHD

VOLATILE ORGANICS (METHOD 502.2) - ug/L

Run Number : 1187

Date Analyzed : 13-APR-2000

Parameter(s)	Results	Limit	Parameter(s)	Results	Limit
DICHLORODIFLUOROMETHANE	<0.5	5.0	1,2,3-TRICHLOROPROPANE	<0.5	5.0
CHLOROMETHANE	<0.5	5.0	2-CHLOROTOLUENE	<0.5	5.0
VINYL CHLORIDE	<0.5	2.0	4-CHLOROTOLUENE	<0.5	5.0
BROMOMETHANE	<0.5	5.0	M-DICHLOROBENZENE	<0.5	5.0
CHLOROETHANE	<0.5	5.0	P-DICHLOROBENZENE	<0.5	5.0
FLUOROTRICHLOROMETHANE	<0.5	5.0	O-DICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHENE	<0.5	5.0	1,2,4-TRICHLOROBENZENE	<0.5	5.0
METHYLENE CHLORIDE	<0.5	5.0	HEXACHLOROBUTADIENE	<0.5	5.0
TRANS-1,2-DICHLOROETHENE	<0.5	5.0	1,2,3-TRICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHANE	<0.5	5.0	BENZENE	<0.5	5.0
CIS-1,2-DICHLOROETHENE	<0.5	5.0	TOLUENE	<0.5	5.0
2,2-DICHLOROPROPANE	<0.5	5.0	ETHYLBENZENE	<0.5	5.0
BROMOCHLOROMETHANE	<0.5	5.0	1,3-XYLENE	<0.5	5.0
CHLOROFORM	<0.5	50	1,4-XYLENE	<0.5	5.0
1,1,1-TRICHLOROETHANE	1.3	5.0	1,2-XYLENE	<0.5	5.0
CARBON TETRACHLORIDE	<0.5	5.0	STYRENE	<0.5	5.0
1,1-DICHLOROPROPENE	<0.5	5.0	ISOPROPYLBENZENE(CUMENE)	<0.5	5.0
1,2-DICHLOROETHANE	<0.5	5.0	N-PROPYLBENZENE	<0.5	5.0
TRICHLOROETHENE	<0.5	5.0	1,3,5-TRIMETHYLBENZENE	<0.5	5.0
1,2-DICHLOROPROPANE	<0.5	5.0	TERT-BUTYLBENZENE	<0.5	5.0
DIBROMOMETHANE	<0.5	5.0	1,2,4-TRIMETHYLBENZENE	<0.5	5.0
BROMODICHLOROMETHANE	<0.5	50	SEC-BUTYLBENZENE	<0.5	5.0
TRANS-1,3-DICHLOROPROPENE	<0.5	5.0	P-ISOPROPYLtolUENE	<0.5	5.0
CIS-1,3-DICHLOROPROPENE	<0.5	5.0	N-BUTYLBENZENE	<0.5	5.0
1,1,2-TRICHLOROETHANE	<0.5	5.0	METHYL TERT. BUTYL ETHER	<0.5	50
TETRAHALOETHENE	<0.5	5.0			
1,3-DICHLOROPROPANE	<0.5	5.0			
CHLORODIBROMOMETHANE	<0.5	50			
CHLOROBENZENE	<0.5	5.0			
1,1,1,2-TETRAHALOETHANE	<0.5	5.0			
BROMOFORM	<0.5	50			
BROMOBENZENE	<0.5	5.0			
1,1,2,2-TETRAHALOETHANE	<0.5	5.0			

Result(s) reported meet(s) NEW YORK STATE/USEPA limits for Potable Water

V 0029

ORIGINAL
 Report for client information only

Joann M. Slavin
 Laboratory Director

Broad Hollow Road, Melville, NY 11747-5076
 (61)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM
 70 BELL AVE.
 UPTON, NY 11973
 Attn To : S. SCARPITTA/TONY ROSS

Federal ID : 5111891
 Collected : 06-APR-2000 07:27
 Received : 06-APR-2000 14:50
 Collected By : TB99 Location: WELL #11-TREATED

Copies To : SCHD

Lab No. : 20000406-176

Sample Information...
 Type : Potable Water
 ROUTINE
 Origin: TREATED WELL

VOLATILE ORGANICS (METHOD 502.2) - ug/L

Run Number : 1188

Date Analyzed : 13-APR-2000

Parameter(s)	Results	Limit	Parameter(s)	Results	Limit
DICHLORODIFLUOROMETHANE	<0.5	5.0	1,2,3-TRICHLOROPROPANE	<0.5	5.0
CHLOROMETHANE	<0.5	5.0	2-CHLOROTOLUENE	<0.5	5.0
VINYL CHLORIDE	<0.5	2.0	4-CHLOROTOLUENE	<0.5	5.0
BROMOMETHANE	<0.5	5.0	M-DICHLOROBENZENE	<0.5	5.0
CHLOROETHANE	<0.5	5.0	P-DICHLOROBENZENE	<0.5	5.0
FLUOROTRICHLOROMETHANE	<0.5	5.0	O-DICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHENE	<0.5	5.0	1,2,4-TRICHLOROBENZENE	<0.5	5.0
METHYLENE CHLORIDE	<0.5	5.0	HEXACHLOROBUTADIENE	<0.5	5.0
TRANS-1,2-DICHLOROETHENE	<0.5	5.0	1,2,3-TRICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHANE	<0.5	5.0	BENZENE	<0.5	5.0
CIS-1,2-DICHLOROETHENE	<0.5	5.0	TOLUENE	<0.5	5.0
2,2-DICHLOROPROPANE	<0.5	5.0	ETHYLBENZENE	<0.5	5.0
BROMOCHLOROMETHANE	<0.5	5.0	1,3-XYLENE	<0.5	5.0
CHLOROFORM	<0.5	50	1,4-XYLENE	<0.5	5.0
1,1,1-TRICHLOROETHANE	<0.5	5.0	1,2-XYLENE	<0.5	5.0
CARBON TETRACHLORIDE	<0.5	5.0	STYRENE	<0.5	5.0
1,1-DICHLOROPROPENE	<0.5	5.0	ISOPROPYLBENZENE(CUMENE)	<0.5	5.0
1,2-DICHLOROETHANE	<0.5	5.0	N-PROPYLBENZENE	<0.5	5.0
TRICHLOROETHENE	<0.5	5.0	1,3,5-TRIMETHYLBENZENE	<0.5	5.0
1,2-DICHLOROPROPANE	<0.5	5.0	TERT-BUTYLBENZENE	<0.5	5.0
DIBROMOMETHANE	<0.5	5.0	1,2,4-TRIMETHYLBENZENE	<0.5	5.0
BROMODICHLOROMETHANE	<0.5	50	SEC-BUTYLBENZENE	<0.5	5.0
TRANS-1,3-DICHLOROPROPENE	<0.5	5.0	P-ISOPROPYLtolUENE	<0.5	5.0
CIS-1,3-DICHLOROPROPENE	<0.5	5.0	N-BUTYLBENZENE	<0.5	5.0
1,1,2-TRICHLOROETHANE	<0.5	5.0	METHYL TERT. BUTYL ETHER	<0.5	50
TETRACHLOROETHENE	<0.5	5.0			
1,3-DICHLOROPROPANE	<0.5	5.0			
CHLORODIBROMOMETHANE	<0.5	50			
CHLOROBENZENE	<0.5	5.0			
1,1,1,2-TETRACHLOROETHANE	<0.5	5.0			
BROMOFORM	<0.5	50			
BROMOBENZENE	<0.5	5.0			
1,1,2,2-TETRACHLOROETHANE	<0.5	5.0			

Result(s) reported meet(s) NEW YORK STATE/USEPA limits for Potable Water

S 0027

H2M LABS, INC.

LABORATORY RESULTS

575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040. FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.

UPTON, NY 11973

Attn To : S. SCARPITTA/TONY ROSS

Federal ID : 5111891

Collected : 06-APR-2000 07:30

Received : 06-APR-2000 14:50

Collected By : TB99

Lab No. : 20000406-177

Sample Information...

Type : Potable Water

ROUTINE

Origin: RAW WELL

Location: WELL #12

Copies To : SCHD

VOLATILE ORGANICS (METHOD 502.2) - ug/L

Run Number : 1189

Date Analyzed : 13-APR-2000

Parameter(s)	Results	Limit	Parameter(s)	Results	Limit
DICHLORODIFLUOROMETHANE	<0.5	5.0	1,2,3-TRICHLOROPROPANE	<0.5	5.0
CHLOROMETHANE	<0.5	5.0	2-CHLOROTOLUENE	<0.5	5.0
VINYL CHLORIDE	<0.5	2.0	4-CHLOROTOLUENE	<0.5	5.0
BROMOMETHANE	<0.5	5.0	M-DICHLOROBENZENE	<0.5	5.0
CHLOROETHANE	<0.5	5.0	P-DICHLOROBENZENE	<0.5	5.0
FLUOROTRICHLOROMETHANE	<0.5	5.0	O-DICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHENE	<0.5	5.0	1,2,4-TRICHLOROBENZENE	<0.5	5.0
METHYLENE CHLORIDE	<0.5	5.0	HEXACHLOROBUTADIENE	<0.5	5.0
TRANS-1,2-DICHLOROETHENE	<0.5	5.0	1,2,3-TRICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHANE	<0.5	5.0	BENZENE	<0.5	5.0
CIS-1,2-DICHLOROETHENE	<0.5	5.0	TOLUENE	<0.5	5.0
2,2-DICHLOROPROPANE	<0.5	5.0	ETHYLBENZENE	<0.5	5.0
BROMOCHLOROMETHANE	<0.5	5.0	1,3-XYLENE	<0.5	5.0
CHLOROFORM	0.7	50	1,4-XYLENE	<0.5	5.0
1,1,1-TRICHLOROETHANE	<0.5	5.0	1,2-XYLENE	<0.5	5.0
CARBON TETRACHLORIDE	<0.5	5.0	STYRENE	<0.5	5.0
1,1-DICHLOROPROPENE	<0.5	5.0	ISOPROPYLBENZENE(CUMENE)	<0.5	5.0
1,2-DICHLOROETHANE	<0.5	5.0	N-PROPYLBENZENE	<0.5	5.0
TRICHLOROETHENE	<0.5	5.0	1,3,5-TRIMETHYLBENZENE	<0.5	5.0
1,2-DICHLOROPROPANE	<0.5	5.0	TERT-BUTYLBENZENE	<0.5	5.0
DIBROMOMETHANE	<0.5	5.0	1,2,4-TRIMETHYLBENZENE	<0.5	5.0
BROMODICHLOROMETHANE	<0.5	50	SEC-BUTYLBENZENE	<0.5	5.0
TRANS-1,3-DICHLOROPROPENE	<0.5	5.0	P-ISOPROPYLtolUENE	<0.5	5.0
CIS-1,3-DICHLOROPROPENE	<0.5	5.0	N-BUTYLBENZENE	<0.5	5.0
1,1,2-TRICHLOROETHANE	<0.5	5.0	METHYL TERT. BUTYL ETHER	<0.5	50
TETRACHLOROETHENE	<0.5	5.0			
1,3-DICHLOROPROPANE	<0.5	5.0			
CHLORODIBROMOMETHANE	<0.5	50			
CHLOROBENZENE	<0.5	5.0			
1,1,1,2-TETRACHLOROETHANE	<0.5	5.0			
BROMOFORM	<0.5	50			
BROMOBENZENE	<0.5	5.0			
1,1,2,2-TETRACHLOROETHANE	<0.5	5.0			

Result(s) reported meet(s) NEW YORK STATE/USEPA limits for Potable Water

S 0028

Broad Hollow Road, Melville, NY 11747-5076
 694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM
 70 BELL AVE.

UPTON, NY 11973

Attn To : S. SCARPITTA/TONY ROSS

Federal ID : 5111891

Collected : 06-APR-2000 07:30

Received : 06-APR-2000 14:50

Collected By : TB99 Location: WELL #12-TREATED

Lab No. : 20000406-178

Sample Information...

Type : Potable Water

ROUTINE

Origin: TREATED WELL

Copies To : SCHD

VOLATILE ORGANICS (METHOD 502.2) - ug/L

Run Number : 1190

Date Analyzed : 13-APR-2000

Parameter(s)	Results	Limit	Parameter(s)	Results	Limit
DICHLORODIFLUOROMETHANE	<0.5	5.0	1,2,3-TRICHLOROPROPANE	<0.5	5.0
CHLOROMETHANE	<0.5	5.0	2-CHLOROTOLUENE	<0.5	5.0
VINYL CHLORIDE	<0.5	2.0	4-CHLOROTOLUENE	<0.5	5.0
BROMOMETHANE	<0.5	5.0	M-DICHLOROBENZENE	<0.5	5.0
CHLOROETHANE	<0.5	5.0	P-DICHLOROBENZENE	<0.5	5.0
FLUOROTRICHLOROMETHANE	<0.5	5.0	O-DICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHENE	<0.5	5.0	1,2,4-TRICHLOROBENZENE	<0.5	5.0
METHYLENE CHLORIDE	<0.5	5.0	HEXACHLOROBUTADIENE	<0.5	5.0
TRANS-1,2-DICHLOROETHENE	<0.5	5.0	1,2,3-TRICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHANE	<0.5	5.0	BENZENE	<0.5	5.0
CIS-1,2-DICHLOROETHENE	<0.5	5.0	TOLUENE	<0.5	5.0
2,2-DICHLOROPROPANE	<0.5	5.0	ETHYLBENZENE	<0.5	5.0
BROMOCHLOROMETHANE	<0.5	5.0	1,3-XYLENE	<0.5	5.0
CHLOROFORM	0.8	50	1,4-XYLENE	<0.5	5.0
1,1,1-TRICHLOROETHANE	<0.5	5.0	1,2-XYLENE	<0.5	5.0
CARBON TETRACHLORIDE	<0.5	5.0	STYRENE	<0.5	5.0
1,1-DICHLOROPROPENE	<0.5	5.0	ISOPROPYLBENZENE(CUMENE)	<0.5	5.0
1,2-DICHLOROETHANE	<0.5	5.0	N-PROPYLBENZENE	<0.5	5.0
TRICHLOROETHENE	<0.5	5.0	1,3,5-TRIMETHYLBENZENE	<0.5	5.0
1,2-DICHLOROPROPANE	<0.5	5.0	TERT-BUTYLBENZENE	<0.5	5.0
DIBROMOMETHANE	<0.5	5.0	1,2,4-TRIMETHYLBENZENE	<0.5	5.0
BROMODICHLOROMETHANE	<0.5	50	SEC-BUTYLBENZENE	<0.5	5.0
TRANS-1,3-DICHLOROPROPENE	<0.5	5.0	P-ISOPROPYLtolUENE	<0.5	5.0
CIS-1,3-DICHLOROPROPENE	<0.5	5.0	N-BUTYLBENZENE	<0.5	5.0
1,1,2-TRICHLOROETHANE	<0.5	5.0	METHYL TERT. BUTYL ETHER	<0.5	50
TETRACHLOROETHENE	<0.5	5.0			
1,3-DICHLOROPROPANE	<0.5	5.0			
CHLORODIBROMOMETHANE	<0.5	50			
CHLOROBENZENE	<0.5	5.0			
1,1,1,2-TETRACHLOROETHANE	<0.5	5.0			
BROMOFORM	<0.5	50			
BROMOBENZENE	<0.5	5.0			
1,1,2,2-TETRACHLOROETHANE	<0.5	5.0			

Result(s) reported meet(s) NEW YORK STATE/USEPA limits for Potable Water

S 0029